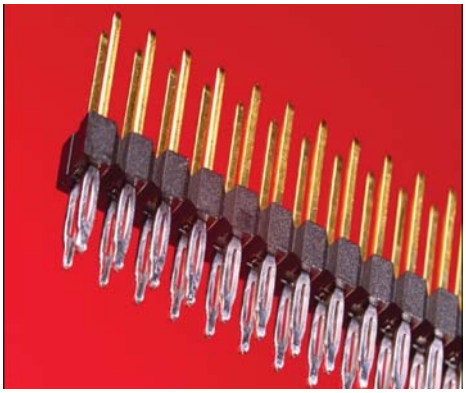
2.54mm (.100") Pitch C-Grid® Compliant Pin Headers

75100 Dual Row, Shrouded Vertical Header with PC Slot and Guide Ears, Press-Fit

75101 Dual Row, Shrouded Vertical Header, Press-Fit

75102 Dual Row, Breakaway Vertical Header, Press-Fit



C-Grid family offers CPI solution for applications that require a press-fit termination

These dual-row headers are designed specifically for compliant pin applications. Used for various wire-to-board and board-to-board applications, these series complement the extensive line of Molex header products. Three versions are available:

- 75100 is ideal for board-to-board, with a PCB slot and guide ears for easy alignment.
- 75101 is available in three different series versions (a, b and c) of shrouded vertical headers for board-to-board applications and wire-to-board applications. All three versions mate with non-polarized housings and receptacles. In addition, version b mates with 70013A interim clips (no polarization) and version c mates with 70013B interim clips (with polarization).
- 75102 is the standard breakaway header with compliant pins.

C-Grid headers interconnect with a majority of Molex receptacles and crimp housings. Popular mating products include the SL single-row crimp and IDT terminal housings as well as the C-Grid crimp housing and board-to-board receptacles. The 75100 series mates with the 71973 series (receptacle with flange).

Features and Benefits

- Press-fit pin requires no soldering to the PCB
- Three plating options provide multiple cost/mating cycle options
- Designed for multiple board thickness of 2.36mm (.093") or greater meets wide variety of customer needs

SPECIFICATIONS

Reference Information
Packaging: Tray
UL File No.: Pending
CSA File No.: Pending
Mates With:
75100 – 71973 with flange
75101 – C-Grid Receptacles
70450A – Crimp Housing
70013 – Interim Clips
75102 – C-Grid Receptacles
SL Crimp Housing
Designed In: Inches

Electrical
Voltage: 250V
Current: 3.0A
Contact Resistance: 10mΩ max.
Dielectric Withstanding Voltage: No Breakdown at 1500 VAC
Insulation Resistance: 1000 MΩ min.

Mechanical
Contact Insertion Force: 8.9N (2.0lbf)
Durability: 25 cycles Tin and 50 cycles Gold

Physical
Housing:
75100 – Glass filled Nylon, UL94 V-0
75101 – Glass filled PBT, UL94 V-0
75102 – Glass filled LCP, UL94 V-0
Contact: Copper Alloy, 0.64mm (.025") square
Plating:
Contact Area -- Tin, .38µm (15µ") select Gold, or 0.76µm (30 µ") select Gold
Compliant Tail Area – Tin
Underplating – Tin/Lead
PCB Thickness: 2.36mm (.093") or thicker
Operating Temperature: -40 to +75°C

APPLICATIONS

These universal headers can be used in any 2.54mm (.100") wire-to-board or board-to-board application, particularly backplane applications.

- Personal Computers
- High-End Computer Servers
- Communications Equipment

Also could be used in:

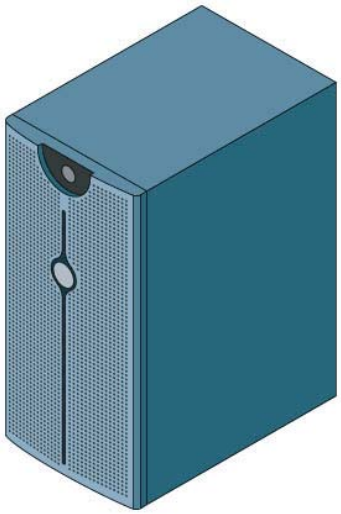
- Printers
- Office Equipment
- Vending Machines
- Home Entertainment Systems
- White and Brown Goods
- Telecommunication Equipment
  - Hubs
  - Servers
- Other Markets
  - Other Applications

2.54mm (.100") Pitch C-Grid® Compliant Pin Headers

75100 Dual Row, Shrouded Vertical Header with PC Slot and Guide Ears, Press-Fit

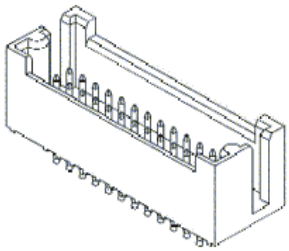
75101 Dual Row, Shrouded Vertical Header, Press-Fit

75102 Dual Row, Breakaway Vertical Header, Press-Fit

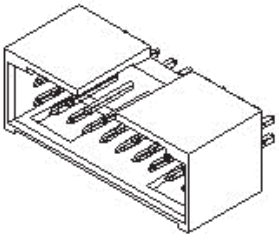


ORDERING INFORMATION

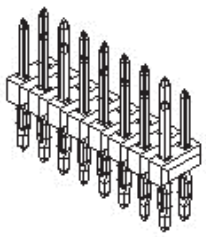
Order No.	Description	Circuit Sizes Available
75100	Dual row, shrouded vertical header with PC slot and guide ears, press-fit	2 to 130
75101	Dual row, shrouded vertical header, press-fit	6 to 72
75102	Interposer Assembly Dual row, breakaway vertical header, press-fit	4 to 80



75110



75101a



75102

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